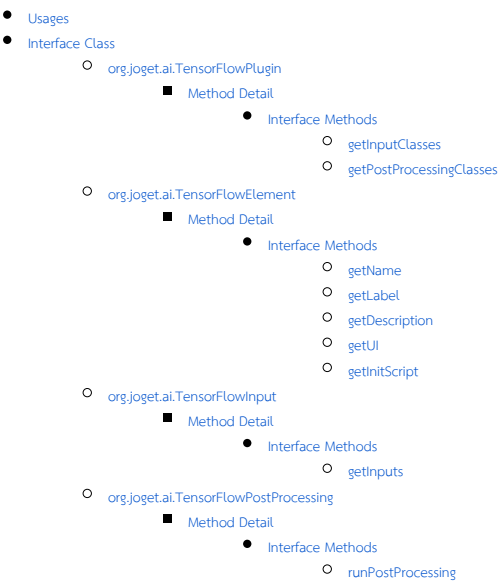


# Tensorflow Helper Plugin



## Usages

- **Tensorflow Helper Plugin** is used to add additional input and post-processing options to the Tensorflow plugin provided by Joget platform.
- Joget platform currently provided 2 Tensorflow plugin which is Simple TensorFlow AI Decision Tool & Simple TensorFlow AI Process Tool.
- After a Tensorflow Helper Plugin is installed in Joget platform, the additional input and post-processing options provided by this plugin will available in selection.
- A useable Tensorflow Helper Plugin must implement [org.joget.ai.TensorFlowPlugin](#) interface.

## Interface Class

### org.joget.ai.TensorFlowPlugin

- Under wflow-core module
- An interface class to develop a Tensorflow Helper Plugin.

#### Method Detail

##### Interface Methods

[getInputClasses](#)

```
public TensorFlowInput[] getInputClasses();
```

Return the additional input option.

[getPostProcessingClasses](#)

```
public TensorFlowPostProcessing[] getPostProcessingClasses();
```

Return the additional post-processing option.

### org.joget.ai.TensorFlowElement

- Under wflow-core module
- A base interface class to develop an input/post-processing option for the tensorflow plugin

#### Method Detail

##### Interface Methods

[getName](#)

```
public String getName();
```

Return the short name of the option

getLabel

```
public String getLabel();
```

Return the label of the option

getDescription

```
public String getDescription();
```

Return the description of the option

getUI

```
public String getUI();
```

Return the HTML UI to correct Input

getInitScript

```
public String getInitScript();
```

Return the javascript to initialize the UI

## org.joget.ai.TensorFlowInput

- Under wflow-core module
- An interface class to develop an input option for the tensorflow plugin
- Extended [org.joget.ai.TensorFlowElement](#).

### Method Detail

#### Interface Methods

getInputs

```
public Tensor getInputs(Map params, String processId, Map<String, String> variables, Map<String, Object> tempDataHolder) throws IOException;
```

Return the Tensorflow Tensor object

#### Parameters

- params - the parameters filled in the Tensorflow plugin UI
- processId - the process instance id
- variables - the workflow variable
- tempDataHolder - A temporary data placeholder that can be used to cache a reusable data.

## org.joget.ai.TensorFlowPostProcessing

- Under wflow-core module
- An interface class to develop a post-processing option for the tensorflow plugin
- Extended [org.joget.ai.TensorFlowElement](#).

### Method Detail

#### Interface Methods

runPostProcessing

```
public void runPostProcessing(Map params, Map<String, Object> tfVariables, Map<String, String> variables, Map<String, Object> tempDataHolder) throws IOException;
```

Run post-processing to process the Tensorflow output.

#### Parameters

- params - the parameters filled in the Tensorflow plugin UI
- tfVariables - the output variables of Tensorflow
- processId - the process instance id

- variables - the workflow variable
- tempDataHolder - A temporary data placeholder that can be used to cache a reusable data.